# (District Name)
# Water Management Plan
# 2008 Criteria

**Date of first draft – (date)**
**Date of final – (date)**

# Index

# Section 1: Description of the District

*District Name:* _____

*Contact Name*: _____

*Title*: _____

*Telephone*: _____

*E-mail:* _____

*Web Address* _____

## A. History

*1. Date district formed:* _____ *Date of first Reclamation contract*:_____
*Original size (acres)*: _____ *Current year (last complete calendar year)*: _____

*2. Current size, population, and irrigated acres*

| | *(enter data year)* |
|---|---|
| *Size (acres)* | |
| *Population served* | |
| *Irrigated acres* | |

*3. Water supplies received in current year*

| *Water Source* | *AF* |
|---|---|
| *Federal urban water (Tbl 1)* | |
| *Federal agricultural water (Tbl 1)* | |
| *State water (Tbl 1)* | |
| *Other Wholesaler (define) (Tbl 1)* | |
| *Local surface water (Tbl 1)* | |
| *Upslope drain water (Tbl 1)* | |
| *District ground water (Tbl 2)* | |
| *Banked water (Tbl 1)* | |
| *Transferred water (Tbl 6)* | |
| *Recycled water (Tbl 3)* | |
| *Other (define) (Tbl 1)* | |
| *Total* | |

*4. Annual entitlement under each right and/or contract*

| | *AF* | *Source* | *Contract #* | *Availability period(s)* |
|---|---|---|---|---|
| *Reclamation Urban AF/Y* | | | | |
| *Reclamation Agriculture AF/Y* | | | | |
| *Other AF/Y* | | | | |
| *Other AF/Y* | | | | |

*5. Anticipated land-use changes*

*6. Cropping patterns (Agricultural only)*

*List of current crops (crops with 5% or less of total acreage) can be combined in the 'Other' category.*

| *Original Plan (enter date)* | | *Previous Plan (enter date)* | | *Current Plan* | |
|---|---|---|---|---|---|
| *Crop Name* | *Acres* | *Crop Name* | *Acres* | *Crop Name* | *Acres* |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| *Other (<5%)* | | *Other (<5%)* | | *Other (<5%)* | |
| *Total* | | *Total* | | *Total* | |

*(See Planner, Chapter 2, Appendix A for list of crop names)*

*7. Major irrigation methods (by acreage) (Agricultural only)*

| *Original Plan (enter date)* | | *Previous Plan (enter date)* | | *Current Plan* | |
|---|---|---|---|---|---|
| *Irrigation Method* | *Acres* | *Irrigation Method* | *Acres* | *Irrigation Method* | *Acres* |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| *Other* | | *Other* | | *Other* | |
| *Total* | | *Total* | | *Total* | |

*(See Planner, Chapter 2, Appendix A for list of irrigation system types)*

## B. Location and Facilities

See Attachment A for points of delivery, turnouts (internal flow), and outflow (spill) points, measurement locations, conveyance system, storage facilities, operational loss recovery system, wells, and water quality monitoring locations

*1. Incoming flow locations and measurement methods*

| *Location Name* | *Physical Location* | *Type of Measurement Device* | *Accuracy* |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

*2. Current year Agricultural Conveyance System*

| *Miles Unlined - Canal* | *Miles Lined - Canal* | *Miles Piped* | *Miles - Other* |
|---|---|---|---|
| | | | |

*3 Current year Urban Distribution System*

| *Miles AC Pipe* | *Miles Steel Pipe* | *Miles Cast Iron Pipe* | *Miles - Other* |
|---|---|---|---|
| | | | |

*4. Storage facilities (tanks, reservoirs, regulating reservoirs)*

| *Name* | *Type* | *Capacity (AF)* | *Distribution or Spill* |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

*5. Outflow locations and measurement methods (Agricultural only)*
*Provide this information in Section 2 F.*

*6. Description of the agricultural spill recovery system*

*7. Agricultural delivery system operation (check all that apply)*

| *On-demand* | *Scheduled* | *Rotation* | *Other (describe)* |
|---|---|---|---|
| | | | |

*8. Restrictions on water source(s)*

| *Source* | *Restriction* | *Cause of Restriction* | *Effect on Operations* |
|---|---|---|---|
| | | | |
| | | | |

*9. Proposed changes or additions to facilities and operations for the next 5 years*

## C. Topography and Soils

*1. Topography of the district and its impact on water operations and management*

*2. District soil association map (Agricultural only)*
See Attachment B, District Soils Map

*3. Agricultural limitations resulting from soil problems (Agricultural only)*

| *Soil Problem* | *Estimated Acres* | *Effect on Water Operations and Management* |
|---|---|---|
| Salinity | | |
| High-water table | | |
| High or low infiltration rates | | |
| Other (define) | | |

## D. Climate

*1. General climate of the district service area*

| | *Jan* | *Feb* | *Mar* | *Apr* | *May* | *Jun* | *Jul* | *Aug* | *Sep* | *Oct* | *Nov* | *Dec* | *Annual* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Avg Precip.* | | | | | | | | | | | | | |
| *Avg Temp.* | | | | | | | | | | | | | |
| *Max. Temp.* | | | | | | | | | | | | | |
| *Min. Temp* | | | | | | | | | | | | | |
| *ETo* | | | | | | | | | | | | | |

*Weather station ID* _____ *Data period: Year* _____ *to Year* _____

*Average wind velocity* _____ *Average annual frost-free days:* _____

*2. Impact of microclimates on water management within the service area*

## E. Natural and Cultural Resources

*1. Natural resource areas within the service area*

| *Name* | *Estimated Acres* | *Description* |
|---|---|---|
| | | |
| | | |

*2. Description of district management of these resources in the past or present*

*3. Recreational and/or cultural resources areas within the service area*

| *Name* | *Estimated Acres* | *Description* |
|---|---|---|
| | | |
| | | |

## F. Operating Rules and Regulations

*1. Operating rules and regulations*

See Attachment C, District Rules and Regulations (water related)

*2. Water allocation policy (Agricultural only)*
See Attachment C, Page xx
Summary -

*3. Official and actual lead times necessary for water orders and shut-off (Agricultural only)*
See Attachment C, Page xx
Summary -

*4. Policies regarding return flows (surface and subsurface drainage from farms) and outflow (Agricultural only)*
See Attachment C, Page xx
Summary -

*5. Policies on water transfers by the district and its customers*
See Attachment C, Page xx
Summary -

## G. Water Measurement, Pricing, and Billing

### *1. Agricultural Customers*

*a. Number of farms* _____

*b. Number of delivery points (turnouts and connections)* _____

*c. Number of delivery points serving more than one farm* _____

*d. Number of measured delivery points (meters and measurement devices)* _____

*e. Percentage of delivered water that was measured at a delivery point* _____

*f. Delivery point measurement device table (Agricultural only)*

| *Measurement Type* | *Number* | *Accuracy (+/- %)* | *Reading Frequency (Days)* | *Calibration Frequency (Months)* | *Maintenance Frequency (Months)* |
|---|---|---|---|---|---|
| *Orifices* | | | | | |
| *Propeller meter* | | | | | |
| *Weirs* | | | | | |
| *Flumes* | | | | | |
| *Venturi* | | | | | |
| *Metered gates* | | | | | |
| *Acoustic doppler* | | | | | |
| *Other (define)* | | | | | |
| *Total* | | | | | |

### *2. Urban Customers*

a. *Total number of connections* _____

*b. Total number of metered connections*_____

*c. Total number of connections not billed by quantity* _____

*d. Percentage of water that was measured at delivery point* _____

*e. Percentage of delivered water that was billed by quantity* _____

*f. Measurement device table*

| *Meter Size and Type* | *Number* | *Accuracy (+/-percentage)* | *Reading Frequency (Days)* | *Calibration Frequency (Months)* | *Maintenance Frequency (Months)* |
|---|---|---|---|---|---|
| *5/8-3/4"* | | | | | |
| *1"* | | | | | |
| *1 ½"* | | | | | |
| *2"* | | | | | |
| *3"* | | | | | |
| *4"* | | | | | |
| *6"* | | | | | |
| *8"* | | | | | |
| *10"* | | | | | |
| *Compound* | | | | | |
| *Turbo* | | | | | |
| *Other (define)* | | | | | |
| *Total* | | | | | |

### *3. Agriculture and Urban Customers*

*a. Current year agriculture and /or urban water charges - including rate structures and billing frequency*

See Attachment C, Page XX, for current year rate ordinance

*b. Annual charges collected from customers (current year data)*

| *Fixed Charges* | | | |
|---|---|---|---|
| *Charges ($ unit)* | *Charge units ($/acre), ($/customer) etc.* | *Units billed during year (acres, customer) etc.* | *$ collected ($ times units)* |
| | | | |
| | | | |
| | | | |
| | | | |

| Volumetric charges | | | |
|---|---|---|---|
| *Charges ($ unit)* | *Charge units ($/AF), ($/HCF), etc.* | *Units billed during year (AF, HCF) etc.* | *$ collected ($ times units)* |
| | | | |
| | | | |
| | | | |
| | | | |

See Attachment D, District Sample Bills

*c. Water-use data accounting procedures*

## H. Water Shortage Allocation Policies

*1. Current year water shortage policies or shortage response plan - specifying how reduced water supplies are allocated*

See Attachment E, District Water Shortage Plan

*2. Current year policies that address wasteful use of water and enforcement methods*

See Attachment C, Page XX

# Section 2: Inventory of Water Resources

## A. Surface Water Supply

*1. Acre-foot amounts of surface water delivered to the water purveyor by each of the purveyor's sources*
See Water Inventory Tables, Table 1

*2. Amount of water delivered to the district by each of the district sources for the last 10 years*
See Water Inventory Tables, Table 8

## B. Ground Water Supply

*1. Acre-foot amounts of ground water pumped and delivered by the district*
See Water Inventory Tables, Table 2

*2. Ground water basin(s) that underlies the service area*

| *Name* | *Size (Square Miles)* | *Usable Capacity (AF)* | *Safe Yield (AF/Y)* |
|---|---|---|---|
| | | | |
| | | | |

*3. Map of district-operated wells and managed ground water recharge areas*
See Attachment F, District Map of Ground Water Facilities

*4. Description of conjunctive use of surface and ground water*

*5. Ground Water Management Plan*
See Attachment G, Ground Water Management Plan

*6. Ground Water Banking Plan*
See Attachment H, Ground Water Banking Plan

## C. Other Water Supplies

*1. "Other" water used as part of the water supply*
See the Water Inventory Tables, Table 1

## D. Source Water Quality Monitoring Practices

*1. Potable Water Quality (Urban only)*
See Attachment I – District Annual Water Quality Report

*2. Agricultural water quality concerns*: *Yes* _____ *No* _____
(If yes, describe)

*3. Description of the agricultural water quality testing program and the role of each participant, including the district, in the program*

4. *Current water quality monitoring programs for surface water by source (Agricultural only)*

| *Analyses Performed* | *Frequency* | *Concentration Range* | *Average* |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

*Current water quality monitoring programs for groundwater by source (Agricultural only)*

| *Analyses Performed* | *Frequency* | *Concentration Range* | *Average* |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

## E. Water Uses within the District

*1. Agricultural*
*See Water Inventory Tables, Table 5 - Crop Water Needs*

*2. Types of irrigation systems used for each crop in current year*

| *Crop name* | *Total Acres* | *Level Basin - acres* | *Furrow - acres* | *Sprinkler - acres* | *Low Volume - acres* | *Multiple methods - acres* |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

3. Urban use by customer type in current year

| *Customer Type* | *Number of Connections* | *AF* |
|---|---|---|
| *Single-family* | | |
| *Multi-family* | | |
| *Commercial* | | |
| *Industrial* | | |
| *Institutional* | | |
| *Landscape irrigation* | | |
| *Wholesale* | | |
| *Recycled* | | |
| *Other (specify)* | | |
| *Other (specify)* | | |
| *Other (specify)* | | |
| *Unaccounted for* | | |
| Total | | |

*4. Urban Wastewater Collection/Treatment Systems serving the service area – current year*

| *Treatment Plant* | *Treatment Level (1, 2, 3)* | *AF* | *Disposal to / uses* |
|---|---|---|---|
| | | | |
| | | | |
| | Total | | |
| Total discharged to ocean and/or saline sink | | | |

*5. Ground water recharge/management in current year (Table 6)*

| *Recharge Area* | *Method of Recharge* | *AF* | *Method of Retrieval* |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | Total | | |

*6. Transfers and exchanges into or out of the service area in current year (Table 6)*

| *From Whom* | *To Whom* | *AF* | *Use* |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

*7. Trades, wheeling, wet/dry year exchanges, banking or other transactions in current year (Table 6)*

| *From Whom* | *To Whom* | *AF* | *Use* |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

*8. Other uses of water in current year*

| *Other Uses* | *AF* |
|---|---|
| | |
| | |

## F. Outflow from the District (Agricultural only)

*Districts included in the drainage problem area, as identified in "A Management Plan for Agricultural Subsurface Drainage and Related Problems on the Westside San Joaquin Valley (September 1990)," should also complete Water Inventory Table 7 and Appendix B (include in plan as Attachment L)*

See Facilities Map, Attachment A, for the location of surface and subsurface outflow points, outflow measurement points, outflow water-quality testing locations

*1. Surface and subsurface drain/outflow in current year*

| *Outflow point* | *Location description* | *AF* | *Type of measurement* | *Accuracy (%)* | *% of total outflow* | *Acres drained* |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| *Outflow point* | *Where the outflow goes (drain, river or other location)* | *Type Reuse (if known)* |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

*2. Description of the Outflow (surface and subsurface) water quality testing program and the role of each participant in the program*

*3. Outflow (surface drainage & spill) Quality Testing Program*

| *Analyses Performed* | *Frequency* | *Concentration Range* | *Average* | *Reuse limitation?* |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

*Outflow (subsurface drainage) Quality Testing Program*

| *Analyses Performed* | *Frequency* | *Concentration Range* | *Average* | *Reuse limitation?* |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

4. Provide a brief discussion of the District's involvement in Central Valley Regional Water Quality Control Board programs or requirements for remediating or monitoring any contaminants that would significantly degrade water quality in the receiving surface waters.

## G. Water Accounting (Inventory)

*1. Water Supplies Quantified*

- *a. Surface water supplies, imported and originating within the service area, by month (Table 1)*
- *b. Ground water extracted by the district, by month (Table 2)*
- *c. Effective precipitation by crop (Table 5)*
- *d. Estimated annual ground water extracted by non-district parties (Table 2)*
- *e. Recycled urban wastewater, by month (Table 3)*
- *f. Other supplies, by month (Table 1)*

*2. Water Used Quantified*

- *a. Agricultural conveyance losses, including seepage, evaporation, and operational spills in canal systems (Table 4) or*
  *Urban leaks, breaks and flushing/fire uses in piped systems (Table 4)*
- *b. Consumptive use by riparian vegetation or environmental use (Table 6)*
- *c. Applied irrigation water - crop ET, water used for leaching/cultural practices (e.g., frost protection, soil reclamation, etc.) (Table 5)*
- *d. Urban water use (Table 6)*
- *e. Ground water recharge (Table 6)*
- *f. Water exchanges and transfers and out-of-district banking (Table 6)*
- *g. Estimated deep percolation within the service area (Table 6)*
- *h. Flows to perched water table or saline sink (Table 7)*
- *i. Outflow water leaving the district (Table 6)*
- *j. Other*

*3. Overall Water Inventory*

- *a. Table 6*

## H. Assess Quantifiable Objectives:

Identify the Quantifiable Objectives that apply to the District (Planner, chapter 10) and provide a short narrative describing past, present and future plans that address the CALFED Water Use Efficiency Program goals identified for the District.

| *QO #* | *QO Description* | *Past, Present & Future Plans* |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

# Section 3: Best Management Practices (BMPs) for Agricultural Contractors

## A. Critical Agricultural BMPs

1. *Measure the volume of water delivered by the district to each turnout with devices that are operated and maintained to a reasonable degree of accuracy, under most conditions, to +/- 6%*

*Number of turnouts that are unmeasured or do not meet the standards listed above:* _____

*Number of measurement devices installed last year:* _____

*Number of measurement devices installed this year:* _____

*Number of measurement devices to be installed next year:* _____

| *Types of Measurement Devices Being Installed* | *Accuracy* | *Total Installed During Current Year* |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

2. *Designate a water conservation coordinator to develop and implement the Plan and develop progress reports*

*Name:* _____ *Title:* _____

*Address:* _____

*Telephone:* _____ *E-mail:* _____

3. *Provide or support the availability of water management services to water users*
See Attachment J, Notices of District Education Programs and Services Available to Customers.

***a. On-Farm Evaluations***

1) On farm irrigation and drainage system evaluations using a mobile lab type assessment

| | *Total in district* | *# surveyed last year* | *# surveyed in current year* | *# projected for next year* | *# projected 2nd yr in future* |
|---|---|---|---|---|---|
| *Irrigated acres* | | | | | |
| *Number of farms* | | | | | |

2) Timely field and crop-specific water delivery information to the water user

***b. Real-time and normal irrigation scheduling and crop ET information***

***c. Surface, ground, and drainage water quantity and quality data provided to water users***

***d. Agricultural water management educational programs and materials for farmers, staff, and the public***

| *Program* | *Co-Funders (If Any)* | *Yearly Targets* |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

See Attachment J for samples of provided materials and notices

***e. other***

*4. Pricing structure - based at least in part on quantity delivered*

Describe the quantity-based water pricing structure, the cost per acre-foot, and when it became effective.

*5. Evaluate and describe the need for changes in policies of the institutions to which the district is subject*

*6. Evaluate and improve efficiencies of district pumps*

Describe the program to evaluate and improve the efficiencies of the contractor's pumps.

## B. Exemptible BMPs for Agricultural Contractors

*(See Planner, Chapter 2, Appendix C for examples of exemptible conditions)*

*1. Facilitate alternative land use*

| *Drainage Characteristic* | *Acreage* | *Potential Alternate Uses* |
|---|---|---|
| *High water table (<5 feet)* | | |
| *Poor drainage* | | |
| *Ground water Selenium concentration > 50 ppb* | | |
| *Poor productivity* | | |

Describe how the contractor encourages customers to participate in these programs.

*2. Facilitate use of available recycled urban wastewater that otherwise would not be used beneficially, meets all health and safety criteria, and does not cause harm to crops or soils*

| *Sources of Recycled Urban Waste Water* | *AF/Y Available* | *AF/Y Currently Used in District* |
|---|---|---|
| | | |
| | | |
| | | |

*3. Facilitate the financing of capital improvements for on-farm irrigation systems*

| *Funding source Programs* | *How provide assistance* |
|---|---|
| | |
| | |
| | |

*4. Incentive pricing*

| *Structure of incentive pricing* | *Related goal* |
|---|---|
| | |
| | |
| | |
| | |

*5. a) Line or pipe ditches and canals*

| *Canal/Lateral (Reach)* | *Type of Improvement* | *Number of Miles in Reach* | *Estimated Seepage (AF/Y)* | *Accomplished/ Planned Date* |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |

*b) Construct regulatory reservoirs*

| *Reservoir Name* | *Annual Spill in Section (AF/Y)* | *Estimated Spill Recovery (AF/Y)* | *Accomplished/ Planned Date* |
|---|---|---|---|
| | | | |
| | | | |

*6. Increase flexibility in water ordering by, and delivery to, water users*
See Attachment L, contractor 'agricultural water order' form

*7. Construct and operate district spill and tailwater recovery systems*

| *Distribution System Lateral* | *Annual Spill (AF/Y)* | *Quantity Recovered and reused (AF/Y)* |
|---|---|---|
| | | |
| | | |
| | | |
| Total | | |

| *Drainage System Lateral* | *Annual Drainage Outflow (AF/Y)* | *Quantity Recovered and reused (AF/Y)* |
|---|---|---|
| | | |
| | | |
| | | |
| Total | | |

8. Plan to measure outflow.

*Total # of outflow (surface) locations/points* _____
*Total # of outflow (subsurface) locations/points* _____
*Total # of measured outflow points* _____
*Percentage of total outflow (volume) measured during report year* _____

*Identify locations, prioritize, determine best measurement method/cost, submit funding proposal*

| *Location & Priority* | *Estimated cost (in $1,000s)* | | | | |
|---|---|---|---|---|---|
| | *2009* | *2010* | *2011* | *2012* | *2013* |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

*9. Optimize conjunctive use of surface and ground water*

*10. Automate canal structures*

*11. Facilitate or promote water customer pump testing and evaluation*
See Attachment K, Notices of District Education Programs and Services Available to Customers

12. Mapping

| *GIS maps* | *Estimated cost (in $1,000s)* | | | | |
|---|---|---|---|---|---|
| | *2009* | *2010* | *2011* | *2012* | *2013* |
| *Layer 1 – Distribution system* | | | | | |
| *Layer 2 – Drainage system* | | | | | |
| *Suggested layers:* | | | | | |
| *Layer 3 – Ground water information* | | | | | |
| *Layer 4 – Soils map* | | | | | |
| *Layer 5 – Natural & cultural resources* | | | | | |
| *Layer 6 – Problem areas* | | | | | |

## C. Provide a 3-Year Budget for Implementing BMPs

*1. Amount actually spent during current year.*

| *BMP #* | | *BMP Name* | *Actual Expenditure (not including staff time)* | *Staff Hours* |
|---|---|---|---|---|
| *A* | *1* | *Measurement* | *$0* | *0* |
| | *2* | *Conservation staff* | *$0* | *0* |
| | *3* | *On-farm evaluation /water delivery info* | *$0* | *0* |
| | | *Irrigation Scheduling* | *$0* | *0* |
| | | *Water quality* | *$0* | *0* |
| | | *Agricultural Education Program* | *$0* | *0* |
| | *4* | *Quantity pricing* | *$0* | *0* |
| | *5* | *Policy changes* | *$0* | *0* |
| | *6* | *Contractor's pumps* | *$0* | *0* |
| *B* | *1* | *Alternative land use* | $0 | 0 |
| | *2* | *Urban recycled water use* | $0 | 0 |
| | *3* | *Financing of on-farm improvements* | $0 | 0 |
| | *4* | *Incentive pricing* | $0 | 0 |
| | *5* | *Line or pipe canals/install reservoirs* | $0 | 0 |
| | *6* | *Increase delivery flexibility* | $0 | 0 |
| | *7* | *District spill/tailwater recovery systems* | $0 | 0 |
| | *8* | *Measure outflow* | *$0* | *0* |
| | *9* | *Optimize conjunctive use* | $0 | 0 |
| | *10* | *Automate canal structures* | $0 | 0 |
| | *11* | *Customer pump testing* | $0 | 0 |
| | *12* | *Mapping* | $0 | *0* |
| | | *Total* | $0 | 0 |

*2. Projected budget summary for the next year.*

| BMP # | | BMP Name | Budgeted Expenditure (not including staff time) | Staff Hours |
|---|---|---|---|---|
| *A* | *1* | *Measurement* | *$0* | *0* |
| | *2* | *Conservation staff* | *$0* | *0* |
| | *3* | *On-farm evaluations/water delivery info* | *$0* | *0* |
| | | *Irrigation Scheduling* | *$0* | *0* |
| | | *Water quality* | *$0* | *0* |
| | | *Agricultural Education Program* | *$0* | *0* |
| | *4* | *Quantity pricing* | *$0* | *0* |
| | *5* | *Policy changes* | *$0* | *0* |
| | *6* | *Contractor's pumps* | *$0* | *0* |
| *B* | *1* | *Alternative land use* | $0 | 0 |
| | *2* | *Urban recycled water use* | $0 | 0 |
| | *3* | *Financing of on-farm improvements* | $0 | 0 |
| | *4* | *Incentive pricing* | $0 | 0 |
| | *5* | *Line or pipe canals/install reservoirs* | $0 | 0 |
| | *6* | *Increase delivery flexibility* | $0 | 0 |
| | *7* | *District spill/tailwater recovery systems* | $0 | 0 |
| | *8* | *Measure outflow* | *$0* | *0* |
| | *9* | *Optimize conjunctive use* | $0 | 0 |
| | *10* | *Automate canal structures* | $0 | 0 |
| | *11* | *Customer pump testing* | $0 | 0 |
| | *12* | *Mapping* | $0 | *0* |
| | | *Total* | $0 | 0 |

*3. Projected budget summary for 3rd year.*

| BMP # | | BMP Name | Budgeted Expenditure (not including staff time) | Staff Hours |
|---|---|---|---|---|
| *A* | *1* | *Measurement* | *$0* | *0* |
| | *2* | *Conservation staff* | *$0* | *0* |
| | *3* | *On-farm evaluations/water delivery info* | *$0* | *0* |
| | | *Irrigation Scheduling* | *$0* | *0* |
| | | *Water quality* | *$0* | *0* |
| | | *Agricultural Education Program* | *$0* | *0* |
| | *4* | *Quantity pricing* | *$0* | *0* |
| | *5* | *Policy changes* | *$0* | *0* |
| | *6* | *Contractor's pumps* | *$0* | *0* |

*(continued)*

| BMP # | | BMP Name | Budgeted Expenditure (not including staff time) | Staff Hours |
|---|---|---|---|---|
| *B* | *1* | *Alternative land use* | $0 | 0 |
| | *2* | *Urban recycled water use* | $0 | 0 |
| | *3* | *Financing of on-farm improvements* | $0 | 0 |
| | *4* | *Incentive pricing* | $0 | 0 |
| | *5* | *Line or pipe canals/install reservoirs* | $0 | 0 |
| | *6* | *Increase delivery flexibility* | $0 | 0 |
| | *7* | *District spill/tailwater recovery systems* | $0 | 0 |
| | *8* | *Measure outflow* | *$0* | *0* |
| | *9* | *Optimize conjunctive use* | $0 | 0 |
| | *10* | *Automate canal structures* | $0 | 0 |
| | *11* | *Customer pump testing* | $0 | 0 |
| | *12* | *Mapping* | $0 | *0* |
| | | *Total* | $0 | 0 |

# Section 4: Best Management Practices for Urban Contractors

**(Due to the adoption of revised BMPs in December 2008, this section will be updated in Spring 2009.)**

## A. Urban BMPs

1. *Utilities Operations*
   - *1.1 Operations Practices*
   - *1.2 Pricing*
   - *1.3 Metering*
   - *1.4 Water Loss Control*

2. *Education*
   - *2.1 Public Information Programs*
   - *2.2 School Education*

3. *Residential*

4. *CII*

5. *Landscape*

## B. Provide a 3-Year Budget for Expenditures and Staff Effort for BMPs

## *1. Amount actually spent during current year.*

| Year 2010 BMP # | BMP Name | Projected Expenditures (not including staff hours) | Staff Hours |
|---|---|---|---|
| 1. | Utilities Operations | | |
| | 1.1 Operations Practices | $0 | 0 |
| | 1.2 Pricing$0 | 0 | |
| | 1.3 Metering | $0 | 0 |
| | 1.4 Water Loss Control | $0 | 0 |
| 2. | Education | | |
| | 2.1 Public Information Programs | $0 | 0 |
| | 2.2 School Education | $0 | 0 |
| 3. | Residential | $0 | 0 |
| 4. | CII | $0 | 0 |
| 5. | Landscape | $0 | 0 |
| | Total | $0 | 0 |

*2. Projected budget summary for 2nd year.*

| Year 2011 BMP # | BMP Name | Projected Expenditures (not including staff hours) | Staff Hours |
|---|---|---|---|
| *1.* | *Utilities Operations* | | |
| | *1.1 Operations Practices* | *$0* | *0* |
| | *1.2 Pricing* | *$0* | *0* |
| | *1.3 Metering* | *$0* | *0* |
| | *1.4 Water Loss Control* | *$0* | *0* |
| *2.* | *Education* | | |
| | *2.1 Public Information Programs* | *$0* | *0* |
| | *2.2 School Education* | *$0* | *0* |
| *3.* | *Residential* | *$0* | *0* |
| *4.* | *CII* | *$0* | *0* |
| *5.* | *Landscape* | *$0* | *0* |
| | *Total* | *$0* | *0* |

*3. Projected budget summary for 3rd year.*

| Year 2012 BMP # | BMP Name | Projected Expenditures (not including staff hours) | Staff Hours |
|---|---|---|---|
| 1. | Utilities Operations | | |
| | 1.1 Operations Practices | $0 | 0 |
| | 1.2 Pricing$0 | 0 | |
| | 1.3 Metering | $0 | 0 |
| | 1.4 Water Loss Control | $0 | 0 |
| 2. | Education | | |
| | 2.1 Public Information Programs | $0 | 0 |
| | 2.2 School Education | $0 | 0 |
| 3. | Residential | $0 | 0 |
| 4. | CII | $0 | 0 |
| 5. | Landscape | $0 | 0 |
| | Total | $0 | 0 |